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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/675,430	09/29/2003	Pierre Chavanne	80398P568	6195

8791 7590 01/14/2005

BLAKELY SOKOLOFF TAYLOR & ZAFMAN  
12400 WILSHIRE BOULEVARD  
SEVENTH FLOOR  
LOS ANGELES, CA 90025-1030

EXAMINER

ZAND, KAMBIZ

ART UNIT PAPER NUMBER

2132

DATE MAILED: 01/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application N .</b>	<b>Applicant(s)</b>	
	10/675,430	CHAVANNE ET AL.	
	<b>Examin r</b>	<b>Art Unit</b>	
	Kambiz Zand	2132	

**-- The MAILING DATE of this c mmunication appears n the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 September 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disp sition of Claims**

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-44 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Pri rity under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>03/18/2004</u> . | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

1. **Claims 1-44** have been examined.

### *Information Disclosure Statement PTO-1449*

2. The Information Disclosure Statement submitted by applicant on 03/18/2004 has been considered. Please see attached PTO-1449.

### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. **Claims 1-44** are rejected under 35 U.S.C. 102(b) as being anticipated by Gilley (6, 249,582 B1).

**As per claims 1, 8, 12, 19, 23, 30, 34 and 41** Gilley (6, 249,582 B1) teach a computerized method, a system comprising a processor coupled to a memory through a bus, an apparatus, a machine readable medium having instructions to

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cause a machine to perform a method, the method comprising: encrypting digital content using an encryption key and a calculated initialization vector (IV), wherein the digital content comprises a plurality of strides, each stride comprising a string of data to be encrypted and a block of data, and the calculated IV derived from each string of data from each stride (see abstract; fig.3; col.5, lines 47-67; col.6, lines 1-12 and 53-67; col.7-11; col.12, lines 1-6).

**As per claims 2, 10, 13, 21, 25, 32, 36 and 43** Gilley (6, 249,582 B1) teach the computerized method, a system comprising a processor coupled to a memory through a bus, an apparatus, a machine readable medium having instructions to cause a machine to perform a method of claims 1, 8, 12, 19, 23, 30, 34 and 41, wherein the calculated IV is further derived from each string of data and a seed value using an exclusive disjunction (XOR) function (see fig.1-4 and associated text).

**As per claims 3, 9, 14, 20, 24, 31, 35 and 42** Gilley (6, 249,582 B1) teach the computerized method, a system comprising a processor coupled to a memory through a bus, an apparatus, a machine readable medium having instructions to cause a machine to perform a method of claims 1, 8, 12, 19, 23, 30, 34 and 41, wherein the calculated IV is further derived from each string of data using an exclusive disjunction (XOR) function (see fig.1-4 and associated text).

**As per claims 4, 15, 26 and 37** Gilley (6, 249,582 B1) teach the computerized

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method, a system comprising a processor coupled to a memory through a bus, an apparatus, a machine readable medium having instructions to cause a machine to perform a method of claims 1, 12, 23 and 44, wherein each string of data is encrypted using an advance encryption standard cipher with an electronic codebook mode (see col.8, lines 32-34 and 38-57; col.9, lines 32-63).

**As per claims 5, 16, 27 and 38** Gilley (6, 249,582 B1) teach the computerized method, a system comprising a processor coupled to a memory through a bus, an apparatus, a machine readable medium having instructions to cause a machine to perform a method of claims 1, 12, 23 and 34, wherein each block of data is encrypted using an advance encryption standard cipher with a cipher block chaining mode (see col.8, lines 31-33 and 58-65).

**As per claims 6, 17, 28 and 39** Gilley (6, 249,582 B1) teach the computerized method, a system comprising a processor coupled to a memory through a bus, an apparatus, a machine readable medium having instructions to cause a machine to perform a method of claims 1, 12, 23 and 34, wherein each string of data comprises a pre-determined number of bytes of a stride of an access unit (see col.6, lines 53-63; col.7, lines 45-53).

**As per claims 7, 11, 18, 22, 29, 33, 40 and 44** Gilley (6, 249,582 B1) teach the computerized method, a system comprising a processor coupled to a memory through a bus, an apparatus, a machine readable medium having instructions to

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cause a machine to perform a method of claims 1, 8, 12, 19, 23, 30, 34 and 41, wherein the digital content is a digital music file or a digital video file (see col.6, lines 42-45; fig.1-3).

### **Conclusion**

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

U.S.Patent No. US (5,677,952 A) teach method to protect information on a computer storage device.

U.S.Patent No. US (6,618,789 B1) teach security memory card compatible with secure and non-secure data processing system.

U.S.Patent No. US (6,185,684 B1) teach secured document access control using recipient lists.

U.S.Patent No. US (5,195,136 A) teach method and apparatus for data encryption or decryption.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kambiz Zand whose telephone number is (571) 272-3811. The examiner can normally be reached on Monday-Thursday (8:00-5:00). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron

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can be reached on (571) 272-3799. The fax phone numbers for the organization where this application or proceeding is assigned as (703) 872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Kambiz Zand

01/05/05